

Module Code	Module Name	Prerequisite /Co - requisite (if any)	CREDITS	Results
Semester 7				
POM4004	Project Management		3	
CHY4008	Applications and Operations of Quality Control Systems	CHY3017[P]	4	
CHY4011	Industrial Chemistry	CHY2021[T]	4	
	University Elective		3	
Semester 8				
CHY4010	Applications of Analytical Chemistry	CHY3022[T]	4	
CHY4009	Quality Auditing	CHY3017[P]	4	
PRJ 4031	Major Research Project	Required to be Level 4	4	
CHY3024	Advanced Organic Chemistry	CHY2021[P] ; CHY2023[P]	4	

F. Y. I.

Please speak to your Programme Director/Academic Advisor about Electives and whether there have been any module changes.

***Electives can be done in any semester**

SELECTING ZERO LEVEL MODULES

The zero level modules are: Preliminary Biology (**BIO0001**), Basic Physics (PHS0005), Fundamentals of Chemistry (**CHY0001**), Developmental English (**COM0001**).

Students WITHOUT a pass in CSEC Physics, Chemistry, Biology or equivalent MUST register and complete the requisite zero level modules before moving on to higher level modules.

ie. you MUST NOT select CHY2021, CHY2022, CHY2023, CHY2024, PHS1014, PHS1015, BIO1001 unless you have a pass in the respective CSEC equivalent.



University of Technology, Jamaica Module Selection Guide School of Natural & Applied Science



B.Sc. in Applied Science

Specialization in Industrial and Analytical Chemistry

Class of 2024

Student's Name:

Student's Id #:

Start Date: August 2020

Name - Academic Advisor/PL/PD:

Module Code	Module Name	Prerequisite /Co-requisite (if any)	CREDITS	Results
Semester 1				
PHS1014	Preliminary Physics I	PHS0005 /CSEC Physics (Grades 1-3)	4	
MAT1047	College Maths 1B		4	
HUM3003	Understanding Ethics		3	
CSP1001	Community Service Project		1	
COM1020	Academic Writing 1	See rules related to Proficiency test	3	
Semester 2				
INT1001	Information Technology		3	
URP1001	Introduction to Phys. Env. Planning		3	
PHS1015	Preliminary Physics II	PHS0005 /CSEC Physics (Grades 1-3)	4	
BIO1001	General Biology	BIO0001 /CSEC Bio (Grades 1-3)	4	
MAT2003	Calculus I	MAT1047 [T]	3	
Semester 3				
CHY2021	General Chemistry Theory 1	CHY0001 /CSEC Chem. Grades 1-3	3	
CHY2022	General Chemistry Practical 1	CHY0001 /CSEC Chem. Grades 1-3	1	
STA2020	Introductory Statistics		3	
	University Elective		3	
COM2014	Academic Writing 2	COM1020	3	

Module Code	Module Name	Prerequisite /Co-requisite (if any)	CREDITS	Results
Semester 4				
CHY2023	General Chemistry Theory 2	CHY0001 /CSEC Chem. Grades 1-3	3	
CHY2024	General Chemistry Practical 2	CHY0001 /CSEC Chem. Grades 1-3	1	
CHY3022	Analytical Chemistry	CHY2021 [P]	4	
MIB 1001	General Microbiology	BIO1001	3	
Semester 5				
CHY4005	Environmental Chem.	CHY3022 [T]; CHY2021	4	
RES 3001	Research Methodologies	Required to be Level 3	3	
POM4003	Management of Innovation and Technology	INT1001[P]	3	
CHE3013	Chemical and Biological Processes	Required to be Level 3	4	
CHY3021	Principles of Physical Chemistry	CHY2021[P] ; CHY2023[P]	3	
Semester 6				
CHY3017	Quality Ass.-Qual. Control. Tech. and Mgt.	CHY2021 & CHY3022	4	
CHY3018	Spect. Methods of Analysis	CHY3022 [T]; CHY2021	4	
CHY3019	Separation Methods	CHY2021	4	
CHY3020	Transition Metals and Materials Chemistry	CHY2021	4	
APS3001	Summer Work Experience/ Externship		3	